



WM 241 – Risk Management and Planning

Digital badge WM 241 follows on from WM 104, which introduced an overarching framework for flood risk asset management, comprising four key activities: Inspection, Performance, Risk Management, and Planning.

WM 241 focuses on the final two components, risk management and planning, with respect to flood risk asset management.

The course covers:

1. What are risk and uncertainty, what do both look like in flood risk management, and how do you assess and express both?
2. How you assess flood risk, how flood risk is managed, and what is in the flood risk manager's toolbox
3. The components of flood risk analysis, and what data should be collected
4. What is involved in floodplain risk management planning, including how to develop a floodplain management plan
5. What and who are involved in flood emergency management, including key principles and best practice processes to follow
6. The importance of developing asset management plans and managing flood risk management assets over their whole lifecycle.

Who should attend

- Practitioners responsible for managing flood risk and planning the management of flood protection infrastructure
- Senior field supervisors and area engineers looking to advance their careers or considering a slight change in their work
- Practitioners working in planning, asset management, or related fields
- WM 104 badge participants
- WM 240 badge participants.

Typical attendees include

- River practitioners
- Field supervisors
- Area engineers
- Asset managers
- Operational personnel
- Consultants
- Contractors
- Public works professionals
- Operations engineers

Outcomes

This course will give you a thorough understanding of the different components of risk, how to identify critical assets and manage flood risk and flood emergencies.

Learning material

- Text, images, video
- Formative assessment
- Activities and case studies
- Summative assessment

Content

- Risk and Uncertainty
- Risk Management
- Flood Risk Analyses
- Floodplain Risk Management Planning
- Emergency Management Planning
- Asset Management Planning

Recommended prior learning:

An understanding of the content in WM 104 and WM 240.